

MULTIMEDIA



UNIVERSITY

STUDENT ID NO

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# MULTIMEDIA UNIVERSITY

## FINAL EXAMINATION

MASTER OF IT (MULTIMEDIA COMPUTING)  
TRIMESTER 110035

TRIMESTER 2, 2015/2016

### TSW7031 – INTERNET AND WORLD WIDE WEB PROGRAMMING

( All sections / Groups )

20 JANUARY 2016  
8 p.m - 10 p.m  
( 2 Hours )

#### INSTRUCTIONS TO STUDENTS

1. This Question paper consists of 4 pages with 5 Questions only.
2. Attempt **FOUR** out of FIVE questions. All questions carry equal marks and the distribution of the marks for each question is given.
3. Please print all your answers in the allocated fields in this booklet for each questions answered.

**Question 1**

a) Write the html codes for the following statements: [1.5 marks]

i) Display "This is my very first **HTML** document!"

ii) Display " $y=x^2 + k_{n=1} + 3$ "

iii) Create a blue horizontal line of 20 pixels size

b) Write an HTML5 code to create the following form. It has a field for the user to enter a favorite number which has to be between 1 and 10. The form must include an optional question that reveals the Favorite Fruit selection when the user click on the text "Optional question:". The Favorite Fruit field must have the *autocomplete* feature that includes "Apple", "Banana", and "Cherry" as the available options. [5.5 marks]

Favorite Number:  (Enter a number between 1 and 10)

▼ Optional question:

Favorite Fruit:

Select a fruit
▼

Apple

Banana

Cherry

c) Write the HTML code for the following table. [3 marks]

| Timetable |       |       |       |
|-----------|-------|-------|-------|
| Hours     | Subj1 | Subj2 | Subj3 |
|           | Lunch |       |       |
|           | Subj3 | Subj2 | Subj1 |

**Question 2**

- a) Name and define the three levels of style sheets in CSS. [3 marks]
- b) Given the following css file, *styles.css*, write the complete HTML code to produce the illustrated output in the following figure. [4 marks]

```
p.big {font-size: 14pt;
      text-decoration: underline;
      font-family: 'Times New Roman';
    }
p.bigger {font: italic 20pt 'Courier New';}
h2 {font-family: 'Times New Roman';
    font-size: 24pt; font-weight: bold}
h3 {font-family: 'Courier New';
    font-size: 18pt}
```

This is line 1.

*This is line 2.*

**This is line 3.**

- c) Write the CSS rules to achieve the following:
- Display all hyperlinks in red without underlining them.
  - Set the font size of `<ul>` elements that are nested in an `<ol>` element to only 20% of the size of the base font of the system.
  - Create a style class called "BlueBold" that sets the font color of `<li>` elements to blue and also make it bold.

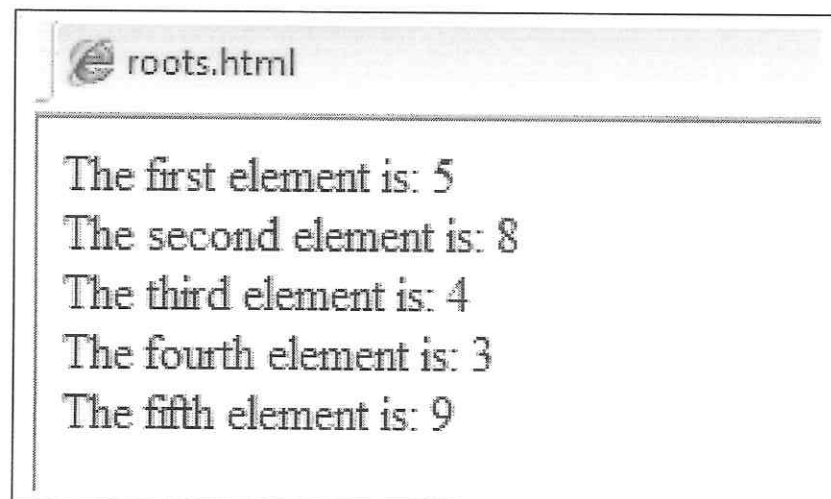
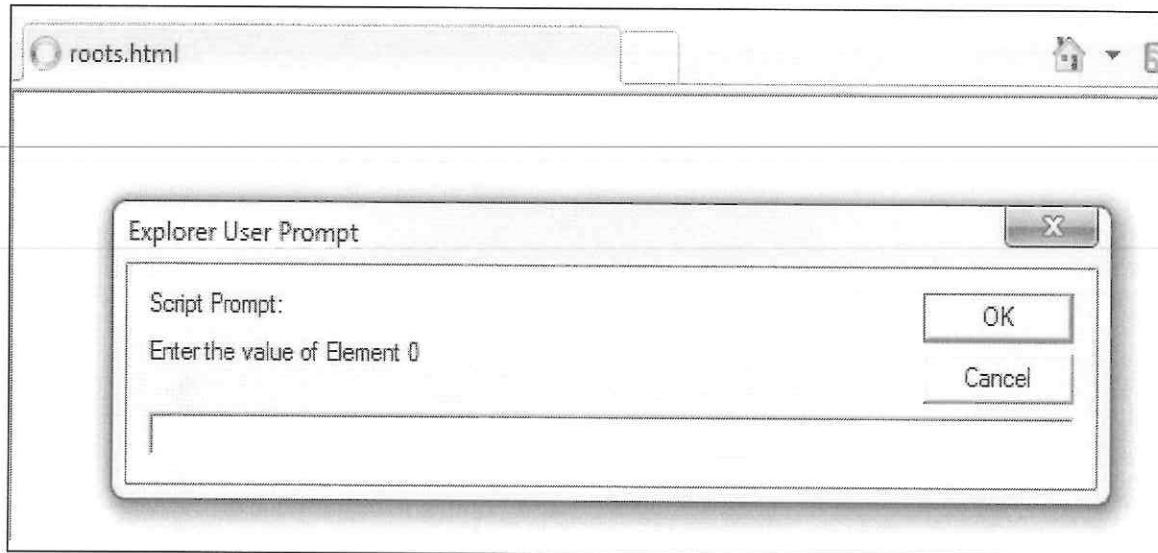
[3 marks]

**Question 3**

a) Using JavaScript declare and fill an array called *numbers* with the following numbers, by prompting the user to key in the numbers as shown in the following table. Then write the JavaScript to display the array elements as shown in the figure below.

[6 marks]

| numbers[0] | numbers[1] | numbers[2] | numbers[3] | numbers[4] |
|------------|------------|------------|------------|------------|
| 5          | 8          | 4          | 3          | 9          |



c) Write the JavaScript to find the maximum number in the array from part (a) and display maximum number.

[4 marks]

**Question 4**

- a) Assume that you have created a database “Books” with username “admin” and password “123”. Write PHP scripts to do the following:
- i. Connect to the MySQL database server and select “Books” database. [2 marks]
  - ii. Create a table named “Authors” with 3 fields for First Name, Last Name and age. [2 marks]
  - iii. Insert the following data into an existing table “Authors”: First Name: Li Po, Last Name: Hang, Age: 24. [2 marks]
  - iv. Delete the data inserted in part ii. [2 marks]
  - v. Merge two existing tables, Author and ISBN to produce list of author’s last name (LastName column) from table Authors accompanied by the ISBNs (ISBN column) for books written by the author from AuthorISBN table. The common column for these two tables is AuthorID. [2 marks]

**Question 5**

- a) Using for loop, write the odd numbers from 10 to 30 in PHP. [4 marks]
- b) Create a cookie and name it as *cur\_user*. Assign the value Muhammad Abdullah to the cookie and the cookie should expire after 0.5 hours. [2 marks]
- c) Write a PHP function called add that takes in 2 values and return the total of the 2 values. Call that function to display the sum of 1 and 16. [4 marks]